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(71) Applicant (for all designated States except US): MAT-  
SUSHITA ELECTRIC INDUSTRIAL CO., LTD.  
[JP/JP]; 1006, Oaza Kadoma, Kadoma-shi, Osaka  
5718501 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): YASUE, Toshihiko.  
FUSE, Masaru.

(74) Agent: OGASAWARA, Shiro; Daisan-Longev' Bldg.,  
3-11, Enokicho, Suita-shi, Osaka 5640053 (JP).

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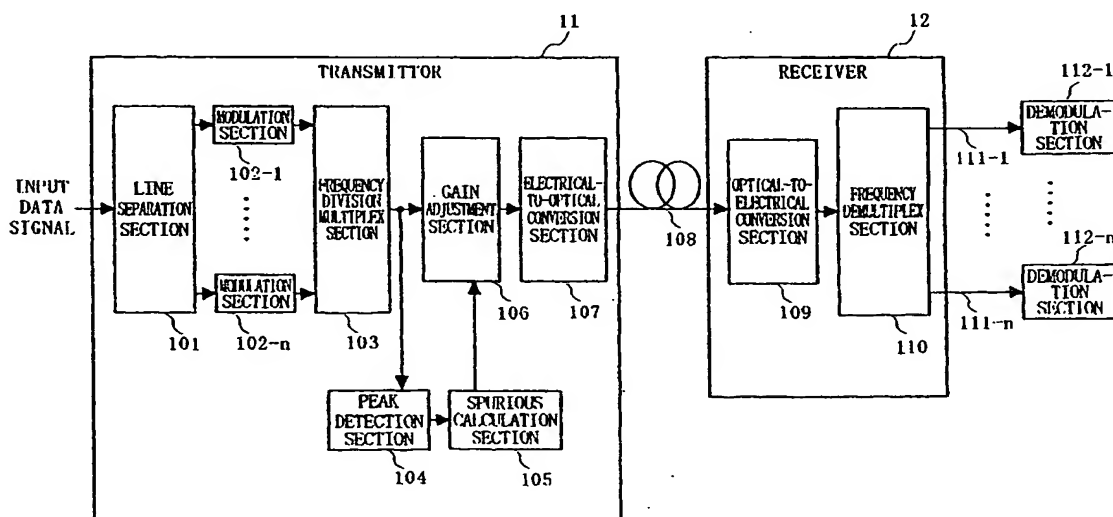
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ning of each regular issue of the PCT Gazette.

(54) Title: OPTICAL TRANSMISSION SYSTEM; AND TRANSMITTER, RECEIVER AND SIGNAL LEVEL ADJUSTMENT  
METHOD FOR USE THEREIN



(57) Abstract—In a transmitter (11), a peak detection section (104) detects a peak factor of a frequency division multiplexed signal which is output from a frequency division multiplex section (103). A spurious calculation section (105) instructs a gain adjustment section (106) to adjust the signal level of the frequency division multiplexed signal so that the level of spurious components (e.g., adjacent channel leakage power ratio (ACLR)) is equal to or less than a predetermined level, based on the peak factor.